MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2021/ 2022

DAC5014 – COMPUTER APPLICATIONS

(All Sections/Groups)

12 AUGUST 2022
09.00 a.m – 11.00 a.m
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 8 pages with 2 sections.

2. Attempt **ALL** questions in Section A and Section B. The distribution of the marks for each question is given.

3. Please shade all your answers for Section A on the OMR form provided and write all answers for Section B in the Answer Booklet provided.

SECTION A: Multiple Choice Questions (40 Marks)

1. A byte is a unique combination of _____ bits.
   A. 2
   B. 4
   C. 8
   D. 16

2. One _____ is larger than the one terabyte.
   A. kilobyte
   B. megabyte
   C. gigabyte
   D. petabyte

3. Which of the following computer devices is an input device for sound?
   A. Speaker
   B. Headphone
   C. Microphone
   D. Monitor screen

4. Which of the following statements about the Light Emitting Diode (LED) monitor screen is **TRUE**?
   A. Higher screen resolutions results in high quality image displayed on the screen.
   B. High screen resolution is the result of fewer pixels per inch on a monitor screen.
   C. Screen resolution is measured by the brightness percentage of a light-emitting diode technology.
   D. Liquid Crystal Display (LCD) monitor has better colour accuracy than the LED monitor.

5. Which one of the following printers produce a high quality colour printouts for an image?
   A. 3D printer
   B. Inkjet printer
   C. Laser printer
   D. Thermal printer

6. Proprietary software is also known as _____ software.
   A. commercial
   B. market
   C. online
   D. open source

Continued...

7. Which of the following statements are part of the software End User License Agreement (EULA)?
   I. The ultimate owner of the software.
   II. The price of the software.
   III. The criteria or requirements to install the software on any other computer.
   IV. The warranty coverage agreements with the software.

   A. I, and II.
   B. I, III, and IV.
   C. II, III, and IV.
   D. All of the above.

8. _____ is an example of spreadsheet software that allow users to perform calculations and numerical analyses in worksheets.
   A. MS Word
   B. MS PowerPoint
   C. MS Excel
   D. Gmail

9. The most suitable software to write a resume for a job application is _____ software.
   A. database
   B. spreadsheet
   C. presentation
   D. word processing

10. A _____ is one of the productivity software features that offers a design with predefined layout on contents, margins, and font styles.
    A. wizard
    B. macro script
    C. micro script
    D. template

11. Observe *Table 1.0*. The whole row in ***Label X*** is referred to as _____.

Table 1.0 StudentsInfo

Stud_ID	**Stud_Name**	**Hometown**
2201101	Eirene	Johor
2202331	Fatima	Malacca
2202936	Joseph	Pahang

← Label X

   A. data
   B. record
   C. table
   D. field

Continued...

12. The following are examples of mobile OS **EXCEPT**:
    A. Android
    B. iOS
    C. Windows
    D. Linux

13. Which of the following operating system types is **MOST** suitable for robots and automated machinery?
    A. Multiuser OS
    B. Real-time OS
    C. Web-based OS
    D. Mobile OS

14. The _____ is the top-level directory of a file system structure.
    A. root directory
    B. file
    C. folder
    D. library

15. When specifying the path or location of a file, Windows uses the _____ symbol.
    A. asterisk (*)
    B. backslash (\)
    C. ampersand (&)
    D. colon (:)

16. What is the system performance utilities that rearranges disjointed data so that related file pieces are merged?
    A. Disk Cleanup
    B. Task Manager
    C. Disk Defragmenter
    D. System Restore

17. Joseph is a senior manager in a company. He travels quite often and requires working long hours on the computer to produce financial statements, presentations and manage his projects. Which of the following is the **BEST** computer for Joseph?
    A. Smartphone
    B. Tablet
    C. Desktop computer
    D. Laptop

Continued...

18. Based on the information given below, what is the processor's speed for the *Sabrina Dell* computer?

Sabrina Dell **Intel(R) Core(TM) i7-3770 CPU @ 3.40GHz 3.40 GHz** **8.00 GB** **64-bit operating system, x64-based processor**

A. i7-3770
B. 8.00 GB
C. 64-bit
D. 3.40 GHz

19. Which of the following storage has faster access time than Random Access Memory (RAM)?
A. CPU Register
B. Virtual memory
C. Hard Disk Drive
D. Solid State Drive

20. What should you do if your computer crashes?
I. Check amount of RAM
II. Investigate any error codes
III. Consider Windows Reset
IV. Try System Restore

A. I, and II.
B. I, III, and IV.
C. II, III, and IV.
D. All of the above.

21. Which of the following computer components has its own Graphics Processing Unit (GPU)?
A. DisplayPort adapter
B. Sound card
C. Video card
D. Network adapter

22. In a machine cycle, _____ is the step where OS will grab the data or instructions from RAM into the Control Unit.
A. fetch
B. decode
C. execute
D. store

Continued...

23. Electronic ink (e-ink) uses _____ to represent text on the e-reader screen.
    A. sharp light diode
    B. black-white pixel dots
    C. sharp grayscale
    D. laser beam

24. The following are the formats used to store digital music and video **EXCEPT**:
    A. MP3
    B. WMA
    C. MP4
    D. PNG

25. Which of the following statements define *copyright*?
    A. Protection granted to creators for the original works of authorship.
    B. Grant inventors the right to stop others from manufacturing, using, or selling their inventions.
    C. A word, phrase, symbol, or design or a combination of these that uniquely identify and differentiate the goods of one party from those of another.
    D. Protection applies to the visual appearance of a product or its packaging.

26. Which of the following statements define *trademarks*?
    A. Protection granted to creators for the original works of authorship.
    B. Grant inventors the right to stop others from manufacturing, using, or selling their inventions.
    C. A word, phrase, symbol, or design or a combination of these that uniquely identify and differentiate the goods of one party from those of another.
    D. Protection applies to the visual appearance of a product or its packaging.

27. Which of the following statements define *patents*?
    A. Protection granted to creators for the original works of authorship.
    B. Grant inventors the right to stop others from manufacturing, using, or selling their inventions.
    C. A word, phrase, symbol, or design or a combination of these that uniquely identify and differentiate the goods of one party from those of another.
    D. Protection applies to the visual appearance of a product or its packaging.

28. Which of the following statements define *trade dress*?
    A. Protection granted to creators for the original works of authorship.
    B. Grant inventors the right to stop others from manufacturing, using, or selling their inventions.
    C. A word, phrase, symbol, or design or a combination of these that uniquely identify and differentiate the goods of one party from those of another.
    D. Protection applies to the visual appearance of a product or its packaging.

29. Which of the following is a communication platform in Web 2.0?
    A. Voice over Internet Protocol (VoIP)
    B. Blog
    C. Podcast
    D. YouTube

Continued...

30. Mudah.my is an example of _____ e-commerce business model.
    A. business-to-consumer (B2C)
    B. business-to-business (B2B)
    C. consumer-to-consumer (C2C)
    D. social commerce

31. Given the URL " https://www.mmu.edu.my/financial-assistance/", ".my" is referred to as _____.
    A. Protocol
    B. Domain name
    C. Top-level domain
    D. Path

32. The following are the guidelines to make online shopping safer **EXCEPT**:
    A. Buy from a reputable and well-known website.
    B. Always make sure to check for secured website which uses HTTPS when log-in.
    C. Pay using credit card rather than debit card especially for huge purchase amount.
    D. Use public Wi-Fi to log into online accounts.

33. Which of the following is the **STRONGEST** password that is harder for hackers to guess?
    A. P@55w.rd
    B. pAssw0rd
    C. Password
    D. pASSWORD

34. A password that has at least _____ characters makes it harder for hackers to guess.
    A. two
    B. four
    C. six
    D. eight

35. Which of the following is **NOT** an anti-virus software for a desktop computer?
    A. Symantec
    B. Avast
    C. Adobe Reader
    D. Norton

36. Which of the following statements is **TRUE** about firewalls?
    A. Windows and macOS does not include the firewalls.
    B. Firewalls cannot filter out the packets sent to logical ports.
    C. You cannot set firewall to completely refuse access request from internet to specific port.
    D. Firewalls use a process called network address translation to assign internal IP addresses on a network.

Continued...

37. _____ is a type of malware that tries to convince you that your computer is infected with virus.
    A. Phishing
    B. Scareware
    C. Pharming
    D. Hacking

38. Which of the following statements is **FALSE** about website cookies?
    A. Cookies are stored on hard drive automatically when you visit a website.
    B. Cookies are small text files received when you visit a website.
    C. Cookies search for personal information in your hard drive.
    D. Cookies are used by the advertisers to determine their effective approach in market targeting strategies.

39. Which of the following malware displays sponsored advertisements on screen?
    A. Ransomware
    B. Worms
    C. Spyware
    D. Adware

40. Computers that are used by hackers to control and attack other computers are referred to as _____.
    A. mummies
    B. witches
    C. vampires
    D. zombies

(Total: 40 marks)

Continued...

SECTION B: Structured Questions (60 Marks)

QUESTION 1

(a) Discuss **FIVE (5)** reasons why most of the current laptops are installed with solid-state drive (SSD) as its primary storage. (10 marks)

(b) Define the following software distributions:
- i. Freeware (2 marks)
- ii. Beta version (2 marks)
- iii. Subscription (2 marks)

(c) Briefly explain the following computer device management:
- i. Device driver (2 marks)
- ii. Plug and Play (2 marks)

(Total: 20 marks)

QUESTION 2

(a) Discuss **TWO (2)** advantages of Solid-State Drives over Hard Disk Drive. (4 marks)

(b) Discuss **FOUR (4)** factors that determine the performance of a processor. (8 marks)

(c) Briefly explain the difference between *deep web* and *dark web*. (8 marks)

(Total: 20 marks)

QUESTION 3

(a) Discuss **TWO (2)** advantages and **TWO (2)** disadvantages of online classes. (8 marks)

(b) Discuss **SIX (6)** common symptoms which indicates that a computer might have been infected by virus. (12 marks)

(Total: 20 marks)

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